

## COPY FOR IB

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 31 JAN 2005

PCT

PCT

To:

GAM, Dong-Hoon

No. 201, New Seoul Bldg., 828-8, Yeoksam-dong, Kangnam-gu Seoul 135-080 Republic of Korea

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year)

21 JANUARY 2005 (21.01.2005)

Applicant's or agent's file reference  
BSE04PA9004

FOR FURTHER ACTION

See paragraph 2 below

International application No.

**PCT/KR2004/002527**

International filing date (day/month/year)

**01 OCTOBER 2004 (01.10.2004)**

Priority date(day/month/year)

20 JANUARY 2004 (20.01.2004)

International Patent Classification (IPC) or both national classification and IPC

**IPC7 H04R 19/04**

Applicant

**BSE CO., LTD et al**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

NA, Yong Soo

Telephone No. 82-42-481-5680



**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2004/002527

**Box No. I Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2004/002527

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	4-11	YES
	Claims	1-3	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-11	NO
Industrial applicability (IA)	Claims	1-11	YES
	Claims	None	NO

**2. Citations and explanations :**

Reference is made to the following documents:

D1 = KR 20-0332944 Y1 (BSE CO., LTD) 14 November 2003

The subject-matter of claims 1-11 is about a condenser microphone which is provided to enhance the connection accuracy between the terminals of the main PCB and those of the condenser microphone.

The technical feature of the present invention is that the condenser microphone is assembled by arranging a diaphragm, a spacer, a shield ring, a back plate, an integrated base and a PCB sequentially, and curling the end part of a case.

D1 discloses a condenser microphone, which comprises a case, a polar ring, a diaphragm, a back plate, a first base, a second base and a PCB, and which is provided to bring the terminals of the condenser microphone into prominence higher than the curling section. D1 also discloses a technical feature that an IC mounted on the PCB can include a FET, an amplifier, an A/D converter, a decimation filter, and a digital interface.

Claims 1-3 are not considered to be novel.

Claims 4-7 include an integrated base as their technical feature, but it would be obvious to a skilled person in the art from the view-point of document D1.

The further technical features of claims 8, 10, 11 are not explicitly disclosed in document D1, but they would be obvious to a skilled person in the art, and the further technical feature of claim 9 is disclosed in document D1 as above.

Therefore, the subject-matter of claims 1-3 is not considered to be novel, and the subject-matter of claims 4-11 is not considered to involve an inventive step.